MASTER ARCHIVE TEXT: birds-I-view App (Copy & Paste for "Description" field)

[BEGIN PUBLIC DISCLOSURE]

PROJECT OVERVIEW The birds-I-view (birds-I-view) App is a secure, low-latency orchestration server designed to phase-lock a four-pillar hardware ecosystem (HAWK AI Scout, Pulse Button, Dragon Chip, Ghost-Roll). It acts as the "Central Nervous System" for the Ghost Infrastructure, managing real-time data flow and licensing logic for "Slave Unit" hardware.

TECHNICAL SPECIFICATIONS FOR PRIOR ART

- **Orchestration Logic:** Utilizes a Barrier Protocol for multi-node frame synchronization across up to six serial-stacked Dragon Chips, maintaining a frame-lock jitter of **<8ms**.
- **Synchronization:** Implements a Phase-Lock Loop (PLL) with a Master Clock timebase of **360Hz** and an auto-correction threshold of **±50µs**.
- **Communication:** Secured via **MQTT over TLS 1.3** (QoS 2) with a **50ms** WebSocket heartbeat for persistent connectivity.
- **Pre-Entry Rendering:** Features a geofence-triggered pipeline (50m radius) utilizing a **64GB iMac** for GPU-accelerated texture atlas generation and VRAM pre-buffering to achieve **<4s** physical deployment.
- **Security:** X.509 certificate-based device pairing with Role-Based Access Control (RBAC) across Owner, Operator, and Viewer tiers.

INTENT OF PUBLICATION This document serves as an enabling disclosure under the **UK Patents Act 1977**. It is intended to establish the "State of the Art" and prevent third-party patenting of the described synchronization and orchestration methods.

[END PUBLIC DISCLOSURE]

NEXT STEPS: ARCHIVING PROCESS

1. **PDF Export:** Ensure the birds-I-view document is a clean PDF.
2. **The Upload:** * Log in to **Archive.org**.
    - Select the **Upload** icon.
    - Drag your PDF into the box.
    - Paste the **Metadata** and **Archive Text** provided above.
3. **The Permanent Link:** Once finished, Archive.org will give you a URL (e.g., `archive.org/details/birds-i-view-app-savale`).